# Release notes for ENDF/B Development dec-062_Sm_148 evaluation

October 14, 2016

- `fizcon`  Errors:

   1. At least one gamma ray needed for given source mode
      *MAT=2123, MF= 8, MT=457 (1): Need gamma ray*

      ```
      ERROR(S) FOUND IN MAT=2123, MF= 8, MT=457
          GAMMA RAY NEEDED, SOURCE MODE=     4
      ```

   2. Energies released in decay not adding up!
      *MAT=2123, MF= 8, MT=457 (2): Bad energy sum*

      ```
      ERROR(S) FOUND IN MAT=2123, MF= 8, MT=457
          PARTICLE ENERGY (AE) SUMUP FAILURE
              WHOLE= 1.98452E+06  SUM= 1.93230E+06        SEQUENCE NUMBER    2
      ```

   3. Energies released in decay not adding up!
      *MAT=2123, MF= 8, MT=457 (3): Bad energy sum*

      ```
      ERROR(S) FOUND IN MAT=2123, MF= 8, MT=457
          ALPHA AVERAGE ENERGY SUMUP FAILURE
              WHOLE= 1.93230E+06  SUM= 1.98604E+06
      ```

- `fizcon`  Errors: